SONY

2-684-485-11(3)

Portable CD/DVD Player

Operating Instructions

DVP-FX810

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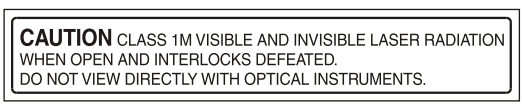
WARNING

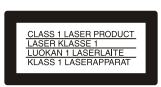
To prevent fire or shock hazard, do not expose the unit to rain or moisture.
To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

CAUTION

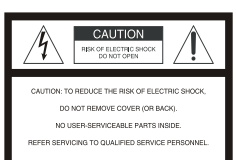
The use of optical instruments with this product will increase eye hazard. As the laser beam used in this CD/DVD player is harmful to eyes, do not attempt to disassemble the cabinet.
Refer servicing to qualified personnel only.



This label is located on the bottom of the unit.



This CD/DVD player is CLASS 1 LASER PRODUCT.



This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Welcome!

Thank you for purchasing this Sony Portable CD/DVD Player. Before operating this player, please read this manual thoroughly and retain it for future reference.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Precautions

For Customers in the U.S.A

Owner's Record

The model and serial numbers are located on the bottom of the unit. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. DVP-FX810

Serial No._____

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

- The power requirements and power consumption of this unit are indicated on the AC adaptor. Check that the unit's operating voltage is identical with your local power supply.

On safety

- Caution - The use of optical instruments with this product will increase eye hazard.
- To prevent fire or shock hazard, the apparatus shall not be exposed to dripping or splashing and do not place objects filled with liquids, such as vases, on the apparatus.
- Should any solid object or liquid fall into the cabinet, unplug the player and have it checked by qualified personnel before operating it any further.
- Do not put any foreign objects in the DC IN 9.5V (external power input) jack.
- This car adaptor is not intended to be serviced. Should the product cease to function in its intended manner, it should be returned to the manufacturer or to be discarded.

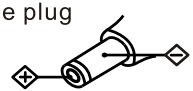
On temperature increases

- Heat may build up while charging or during extented use. This is not a malfunction.
- If the surrounding temperature is very high, the protective function will turn off the player automatically. Leave the player in a cool location for about 30 minutes before using it again.

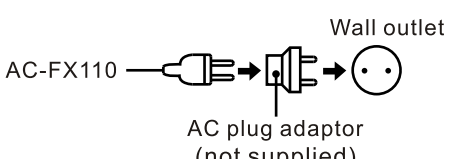
On power sources

- Use only the supplied AC adaptor. Do not use any other AC adaptor. It may cause a malfunction.

Polarity of the plug



- If the AC adaptor causes interference to radio reception, move it away from the radio.
- Do not touch the AC adaptor with wet hands.
- Even when the player is turned off, it is still connected to the AC power source (mains) as long as it remains connected to the wall outlet.
- If you are not going to use the player for a long time, be sure to disconnect the player from the wall outlet. To disconnect the AC power cord (mains lead), grasp the plug itself; never pull the cord.
- Should the AC power cord need to be changed, have it done at a qualified service shop only.
- Use a commercially available AC plug adaptor, if necessary, depending on the design of the wall outlet.



CAUTION

Never expose the battery pack to temperatures above 140° F (60° C) such as in a car parked in the sun or under direct sunlight.

On the rechargeable battery

- Charge the battery before you start using it.
- Do not allow dust to come into contact with the battery terminals of the player and battery.
- Do not short the terminals.
- Do not open the terminal covers of the player.
- Do not leave the battery in a place subject to direct sunlight, or in a car with its windows closed.
- Keep the battery dry.
- Use only the battery(NP-FX110) supplied with this player(DVP-FX810). Other rechargeable batteries supplied with other models cannot be used with this player. Note that is a danger of explosion if battery is incorrectly replaced.
- Do not disassemble.
- Do not incinerate.
- Dispose of used batteries promptly.

To dispose of the rechargeable battery

- Certain countries may regulate disposal of the battery used to power this product. Please consult with your local authority.

To store the rechargeable battery

The battery is consumed gradually as time elapses even if is not used. In order to prevent the battery from deteriorating, store it as follows:

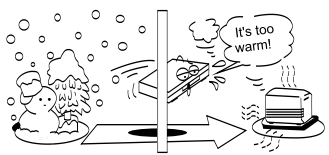
- Remove the battery from the player after use. (Even if the player is off, it still uses some power.)
- Use up the battery completely on the player before storing it.
- Keep the battery in a cool location to prevent it from deteriorating.
- Charge and use the battery at least once every 6 months.

On charging the rechargeable battery

- Heat may build up in the battery while charging. This is not a malfunction.
- When the battery life of a fully charged battery becomes about half the normal life, you may need to replace the battery with a new one.
- Disconnect the battery from the player as soon as it has been charged. Leaving it connected may result in reduced battery performance.

On handling the player

- Keep the lens on the player clean and do not touch it. If you do so, the lens may be damaged, and the player will not operate properly.
- Place the player in a location with adequate ventilation to prevent heat build-up in the player.
- Do not put any heavy object on top of the player. The player and the discs may be damaged.
- Do not leave the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or sand, moisture, rain, mechanical shock, on an uneven surface, or in a car with its windows closed.
- Do not wrap the player in a cloth or blanket during use as it may cause malfunction or serious accidents.
- If the player causes interference to radio or television reception, turn off the player or move it away from the radio or television.
- Keep the player and discs away from equipment with strong magnets, such as microwave ovens, or large loudspeakers.
- Do not install this equipment in a confined space such as a bookshelf or similar unit.
- If the player is brought directly from a cold to warm location, or is placed in a very damp place, moisture may condense on the lenses of the player. Should this occur, the player may not operate properly. In this case, remove the disc and leave the player for about half an hour until the moisture evaporates.



- Discs with non-standard shapes (e.g, heart, square, star) cannot be played on this player. Do not use such discs.
- While operating, do not move, shake or otherwise allow any shock to the player. It may cause a malfunction.
- Use this player in a stable, horizontal position where it is not subject to vibration.
- Do not touch the disc if it is still spinning when you open the lid.
- Before moving the player, remove the disc from it.

On handling the LCD screen

- Although the LCD screen is made with high-precision technology and has effective pixels of 99.99% or more, black dots may appear or bright points of light (red, blue, or green) may appear constantly on the LCD screen. This is a structural property of the LCD panel and is not a malfunction.
- Do not scratch the LCD or exert pressure on it. This could cause a malfunction.
- Using the player in low temperature conditions may produce a residual image on the screen. This is not a malfunction. When the player returns to normal temperature, the screen returns to normal.
- A residual image may appear on the screen if the same image is displayed for a lengthy period of time. The residual image disappears in a while.
- If you are going to leave the player for a long time, turn off the power.
- The screen becomes warm during operation. This is normal and does not indicate a malfunction.

On headphones

Preventing hearing damage

Avoid using headphones at high volume. Hearing experts advise against continuous, loud, and extended play. If you experience a ringing in your ears, reduce the volume or discontinue use.

Showing consideration for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and still be considerate to the people around you.

On adjusting the volume

Do not turn up the volume while listening to a section with very low level inputs or no audio signal. If you do, the speakers may be damaged when a peak-level section is played.

Road safety

Do not use the monitor unit and headphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headsets at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

- Do not install the monitor display where viewable by the driver.
- Some states restrict the use of monitors and televisions in vehicles. Where use is permitted, the units should not be installed or operated so as to be viewable by the driver.

On transportation

- When you transport this player, use the original carton box and packing materials.
- Before you move this player, make sure to remove any discs from it.

On cleaning

Clean the cabinet, panel, and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent such as alcohol or benzine.

On cleaning discs, disc/lens cleaners

Do not use a commercially available cleaning disc or disc/lens cleaner (wet or spray type). These may cause the apparatus to malfunction.

IMPORTANT NOTICE

Caution: This player is capable of holding a still video image or on-screen display image on your television screen indefinitely. If you leave the still video image or on-screen display image displayed on your TV for an extended period of time you risk permanent damage to your television screen. Plasma Display Panel televisions and projection televisions are especially susceptible to this.

If you have any questions or problems concerning your player, please consult your nearest Sony dealer.

RECYCLING LITHIUM-ION BATTERIES

Lithium-Ion batteries are recyclable. You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit **http://www.rbrc.org/**

Caution:

- Do not handle damaged or leaking Lithium-Ion batteries. Never expose the battery pack to temperatures above 140°F (60° C) such as in a car parked in the sun or under direct sunlight.
- **For the customers in the United States**
  This product contains mercury. Disposal of this product may be regulated if sold in the United States. For disposal or recycling information, please contact your local authorities or the Electronics Industries Alliance. (www.eiae.org http://www.eiae.org)

About This Manual

- Instructions in this manual describe the controls on the remote. You can also use the controls on the player if they have the same or similar names as those on the remote.
- The meanings of the icons used in this manual are described below:

"⊘"may appear on the LCD screen during operation. This icon means the function explained in this instruction manual is not available on that specific DVD video disc.

Icon	Meaning
DVD-V	Functions available for DVD Video, DVD+RW/DVD+R (+VR Mode), DVD-RW/DVD-R (Video Mode)
CD	Functions available for music CD or CD-R/CD-RW in music CD format
MP3 JPEG	Functions available for DATA CD/DATA DVD (DATA DISC containing MP3 * audio tracks and JPEG image files)

* MP3 (MPEG 1 Audio Layer 3) is a standard format defined by ISO (International Organization for Standardization)/ MPEG which compresses audio data.

This Player Can Play the Following Discs

Format of discs	
DVD VIDEO	DVD VIDEO
DVD-RW/-R	DVD RW, DVD R R4.7
DVD+RW/+R	RW DVD+ReWritable, RW DVD+R, RW DVD+R DL
Music CD	COMPACT disc DIGITAL AUDIO
CD-RW/-R	COMPACT disc ReWritable, COMPACT disc Recordable

The "DVD VIDEO" "DVD+RW" "DVD-RW" "DVD+R" "DVD+R DL" "DVD-R" "CD" are trademarks.

Disc-related terms

DVD±R/DVD±RW

DVD+R/DVD-R are recordable discs that are the same size as a DVD VIDEO. Contents can be recorded only once to a DVD+R/DVD-R, and will have the same format as a DVD VIDEO.
A DVD+RW is a recordable and rewritable disc. DVD+RWs use a recording format that is comparable to the DVD VIDEO format.
A DVD-RW is a recordable and rewritable disc that is the same size as a DVD VIDEO. The DVD-RW has two different modes: VR mode and Video mode. DVDs created in Video mode have the same format as a DVD VIDEO, while discs created in VR (Video Recording) mode allow the contents to be programmed or edited.

MP3
MP3 is a popular compression format used for digital audio files that yields very high, near-CD quality.

JPEG
Joint Pictures Expert Group. JPEG is a compressed file format that allows you to save images with no limit on the number of colors.

Title (DVD video discs only)
A title is generally a distinct section of a DVD disc. For example the main feature could be title 1, a documentary describing how the film was made could be title 2, and cast interviews could be title 3. Each title is assigned a reference number enabling you to locate it easily.

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

NOTES:

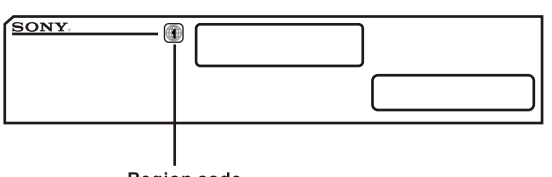
- Depending on the conditions of the recording equipment or the CD-R/RW (or DVD±R/±RW) disc itself, some CD-R/RW (or DVD±R/±RW) discs cannot be played on the unit.
- MP3 and JPEG files recorded on the second layer of a recordable double-layer DVD cannot be played.
- The recorded CD-R/RW (DVD±R/±RW) in the way of packet write cannot be played.
- The recorded CD-R/RW (DVD±R/±RW) of multi-session cannot be played sometimes.
- DVD-R and DVD-RW discs recorded in VR (video recording format) mode cannot be played.
- The displayed name of the folder or file recorded by UDF File System in CD-R/RW (DVD±R/±RW) disc does not correspond with the actual one.

Region code

Your player has a region code printed on the back of the unit and only will play DVD VIDEO discs (playback only) labeled with identical region codes. This system is used to protect copyrights.

DVD VIDEO labeled will also play on this player.

If you try to play any other DVD VIDEO, the message “Wrong Region” will appear on the LCD screen. Depending on the DVD VIDEO, no region code indication may be labeled even though playing the DVD VIDEO is prohibited by area restrictions.



Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

Note on playback operations of DVDs

Some playback operations of DVDs may be intentionally set by software producers. Since this player plays DVDs according to the disc contents the software producers designed, some playback features may not be available. Also, refer to the instructions supplied with the DVDs.

Copyrights

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

Notes about the Discs

On handling discs

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.

On storing discs

- Do not expose the disc to direct sunlight or heat sources such as air ducts, or leave it in a car parked in direct sunlight as the temperature may rise considerably inside the car.
- After playing, store the disc in its case.

On cleaning discs

- Fingerprints or dust on a disc may cause the image or sound quality to deteriorate. Use clean discs.
- Wipe the disc with a soft cloth from the center out.

- If the disc is very dirty, first wipe it with a damp cloth, then wipe it again with a dry cloth.
- Do not use solvents such as benzine, thinner, commercially available cleaners, or anti-static spray intended for vinyl LPs.

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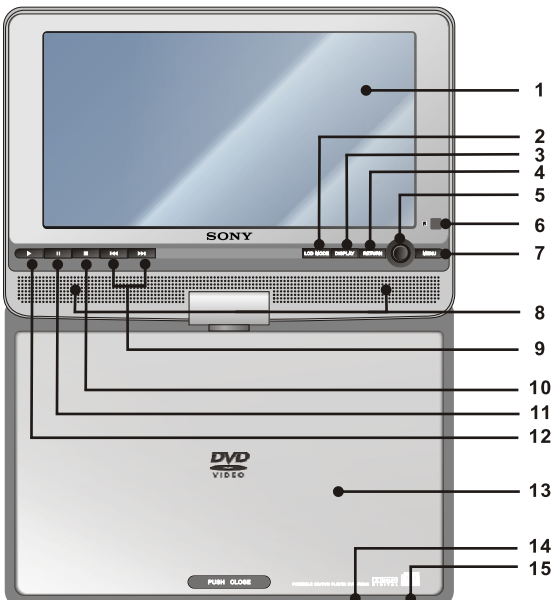
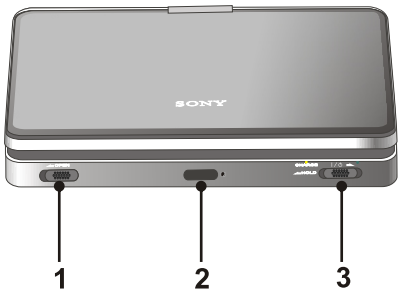
Main Unit

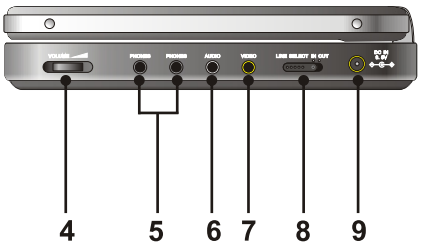


1. **LCD screen (page 20)**
2. **LCD MODE button (page 25-26)**
3. **DISPLAY button (page 29)**
4. **RETURN button (page 19)**
5. **←/ ↑/ ↓/→ button, ENTER button (page 19)**
6. **Remote sensor (page 17)**
7. **MENU button (page 30)**
8. **Speaker**
9. **PREV / NEXT buttons (page 30)**
10. **STOP button (page 27)**
11. **PAUSE button (page 27)**
12. **PLAY button (page 27)**
13. **Disc Lid (page 24)**
14. **Charge indicator (page 23)**
    During recharging: Orange ON
15. **Power indicator (page 24)**
    POWER ON: Green ON
    POWER OFF: Green OFF

NOTE:

Place a disc with the playback side down on the spindle, and push gently on the center of the disc so it goes into position.





1. Lid open knob

2. Remote sensor (page 17)

3. POWER and HOLD switch (page 24)

To turn off the power, you need to slide the POWER switch for at least one second. This is to prevent the player from being accidentally turned off.

HOLD switch

- The hold function locks the buttons on the DVD player so that they will not work if accidentally touched.
- To enable, slide the HOLD switch on the left side of the DVD player to the HOLD position.
- To disable, slide the switch back to its original position.

4. VOLUME dial (page 24)

5. PHONES Jacks 1, 2

6. AUDIO IN/OUT Jack (page 44)

7. VIDEO IN/OUT Jack (page 44)

8. LINE SELECT IN / OUT Switch (page 44)

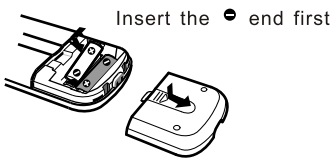
9. DC IN 9.5V Jack (page 21)

Connect the AC adaptor.

Remote

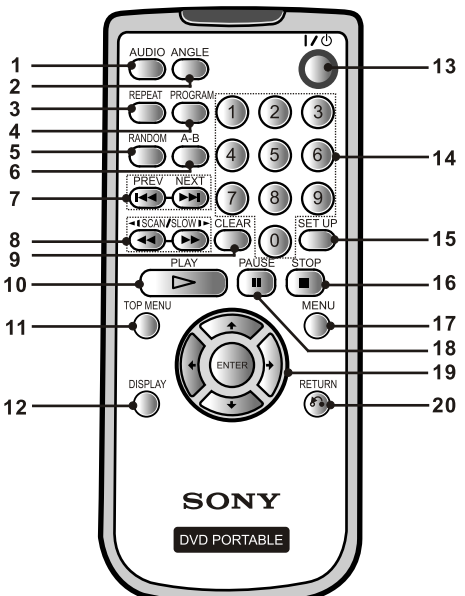
Inserting batteries into the remote

You can control the player using the supplied remote. Insert two size AA(R6) batteries (supplied) by matching the ⊕ and ⊖ ends on the batteries to the markings inside the compartment. When using the remote, point it at the remote sensor ℝ on the player.



NOTES:

- Do not leave the remote in an extremely hot or humid place.
- Do not drop any foreign object into the remote casing, particularly when replacing the batteries.
- Do not expose the remote sensor to direct light from the sun or lighting apparatus. Doing so may cause a malfunction.
- If you do not use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.



1. AUDIO button (page 31)
2. ANGLE button (page 31)
3. REPEAT button (page 32)
4. PROGRAM button (page 36-37)
5. RANDOM button (page 37)
6. A-B button (page 35)
7. PREV/NEXT button (page 30)
8. SCAN/SLOW button (page 27-28)
9. CLEAR button (page 36)
10. PLAY button (page 24)
11. * TOP MENU button (page 19)
12. DISPLAY button (page 29)
13. POWER button
14. Number buttons
15. SET UP button (page 40-43)

16. STOP button (page 27)

17. MENU button (page 30)

Use the MENU button to display the menu screen included on a DVD disc.

To operate a menu screen, follow the instructions in “Using a DVD Menu”.

18. PAUSE button (page 27)

19. ←/↑/↓/→ button, ENTER button

(Left, up, down, right) for use in highlighting a selection on a GUI menu screen, TOP MENU and MENU screen.

When playing a DVD, the ←/→ buttons on the unit perform as SCAN/SLOW buttons, and the ENTER button on the unit performs as the PLAY button.

NOTE:

When playing some DVDs, the ←/→ buttons on the unit may not function. Use the ←/→ buttons on the remote instead.

20. RETURN button

Use the RETURN button to return from the menus of Display, Setup or LCD Mode.

*** TOP MENU button:**

Use the TOP MENU button to display the title screen included on DVD video discs (page 30).

About the Remote

- Use the remote in front of the remote sensor.
- Do not drop or hit the remote.
- Do not leave the remote in an extremely hot or humid place.
- Do not expose the remote to water or set it on top of something wet.
- Do not disassemble the remote.

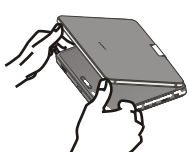
LCD Panel

Features of Revolving LCD panel

You can revolve the LCD panel of this player clockwise a maximum of 180° for use. You can also operate the player after revolving the LCD panel 180° and folding it back down.

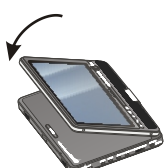
Revolving the LCD panel

1. Place the unit on a stable and even surface such as on a table.
2. Push the LCD panel up using your thumbs and then lift it into a vertical position. (Refer to Picture 1.)
3. Revolve the LCD panel clockwise slowly 180° until it clicks. (Refer to Picture 2.)



Picture 1

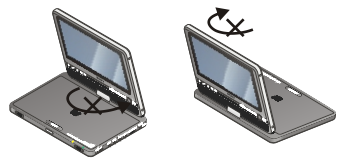
Picture 2



Picture 3

TIPS:

- Do not revolve the LCD panel if it is not fully opened, as it may become scratched.
- Do not revolve the LCD panel more than 180°or in the opposite direction as shown below. Doing so may damage the LCD panel.



Folding the LCD panel after revolving it

Press the LCD panel down to the top of the unit after revolving it clockwise 180°. In this position, the panel faces upword. (Refer to Picture 3.)

Revolving the LCD panel to its original position

1. Open the LCD panel to a vertical position.
2. Revolve the LCD panel counterclockwise slowly 180° until it clicks.

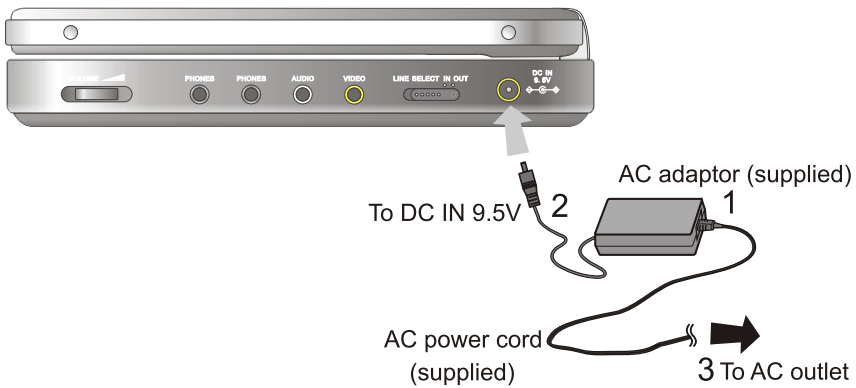
TIPS:

- When finished using the player, return the LCD panel to its original position.
- Do not leave the LCD panel in the face-up position, or sudden shocks may damage it.

Power Connections

AC Adaptor

Follow steps 1 to 3 to connect.
When disconnecting, reverse the order.



NOTES:

- When you disconnect the AC power cord, be sure to stop playback.
- Disconnecting the AC power cord during playback may cause a malfunction.

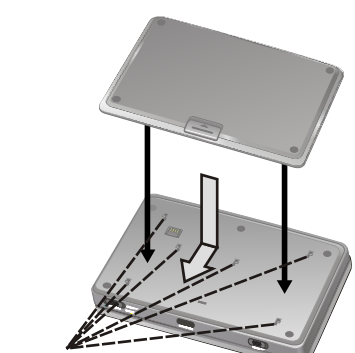
Battery Pack

You can use the NP-FX110 rechargeable battery pack (supplied) to enjoy the player when an AC outlet is not available.

- Charge the battery pack before using it for the first time.

■ **Attaching the battery pack (supplied)**

1. Match the hooks of the battery pack into the holes on the bottom of the player.
2. Press and slide the battery pack until the hooks click.



NOTES:

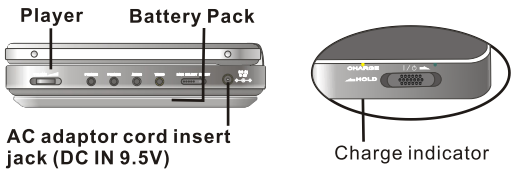
- Do not detach the battery pack during playback.
- Be careful not to drop the battery pack.

■ **Detaching the battery pack**

1. Press the **RELEASE** knob.
2. Slide the battery pack until the hooks click.

■ Charging the battery pack

1. Attach the battery pack to the player.
2. Connect the AC adaptor to the player and then plug into an AC outlet.



When charging starts, the charge indicator lights up in orange.

3. During recharging, the charge indicator lights up in orange. When recharging is complete, the indicator turns off.
4. Disconnect the AC adaptor from the player and pull out the plug from the AC outlet after charging.

■ Confirm the battery charge on the LCD screen during stop.

When the charge is very low, "▭" appears and the charge indicator flashes in orange. The battery mark does not appear during DVD or JPEG playback. To check the battery charge, stop playback.

If using the AC adaptor, battery display does not appear.

■ Recharging and play times

Recharging (Power Off)	Play time (DVD-VIDEO)
With player	LCD On
Approx. 5 hours and 30 minutes	Approx. 6 hours *

* When Backlight control is set to minimum.
- using the headphones.
- at room temperature (+25°C, +77°F).

NOTES:

- In "LINE IN" mode, the battery mark will not appear on the screen.
- Recharging times shown above depend on operating conditions, such as use conditions, picture brightness and setup, operational temperature and so on.
- Charge the battery at a temperature of +5°C (+41°F) to +35°C (+95°F).
  The charging time may vary depending on the surrounding temperature.
- The battery may not be charged when it is naturally or purposely discharged completely, because the unit can not perceive battery voltage, even if you attached the battery.

  When you are in this situation, power on the unit and then power off again. Then battery charging will proceed.

Basic Playback

- Prepare the power supply.

1. **Open the outer cover and slide the POWER switch to the right to turn the unit on.**
   The power indicator lights up in green.
2. **Slide the Lid open knob to open the disc lid and insert a disc onto the side you want to play, label up. Close the disc lid by hand.**

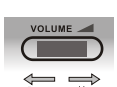
- If the disc is placed in upside down (and it is a single sided disc),"No Disc" or "Check Disc " appears on the LCD screen.

3. **Press PLAY to start play.**

- After playing back all of the chapters in the title, the DVD player automatically stops and returns to the menu screen.

4. **Adjust the volume.**

- Reduce the volume before playback, then gradually increase it.



After operation

When the unit is not in use, remove the disc and slide the POWER switch to the right and hold it there to turn off the DVD player.
The power indicator turns off.

When a menu screen appears on the LCD screen.

DVD-V

In case of interactive DVD with control, a menu screen appears on the LCD screen.

Press ← / ↑ / ↓ / → and press ENTER, or press the number buttons to select the desired item.

Playback of the selected item begins.

For further information, also refer to the jacket or case of the disc you are playing.

NOTES:

- Place a disc with the playback side down on the spindle, and push gently on the center of the disc so it goes into position.
- Confirm LCD MODE position by pressing LCD MODE button (page 25-26).
- If parental control is set and the disc is not within the rating settings, you must input the password. (See "PARENTAL CONTROL" on page 42-43.)
- DVD may have a region code. Your player does not play discs that have a region code different from your player.

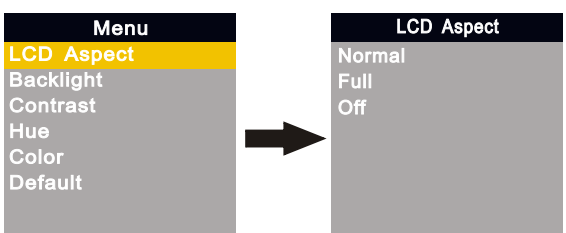
■ Changing the size of the picture

Use the LCD MODE button to change the picture mode.

DVD disc
Normal , Full , Off

Audio CD / MP3 disc / JPEG disc (Menu)
Off

JPEG disc (Slide show)
Normal , Full , Off



NOTES:

- The picture mode will appear differently for different kinds of discs.
- When “TV Display” in the “SETUP” menu is set to “16:9”, you can not select “Normal” during playback of titles recorded in Wide screen (16:9) mode.

■ Picture mode and size

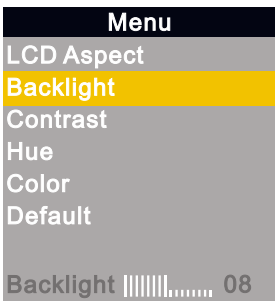
The picture shown on the LCD depends on the display mode and the size recorded on the disc.

NOTES:

- Select “Off” to conserve power when not using the LCD screen on this player. To turn on LCD, press Enter or LCD MODE button.
- The LCD turns off automatically when you close the LCD panel.
- When recorded disc of 4:3 starts playing, LCD Aspect setting returns to “Normal” even though it was set to “Full”.
- In Line In mode, to change to “Normal” or “Full”, press LCD MODE button.

Adjusting LCD display effect

Press LCD MODE to display the LCD picture menu.



1. **Adjusting Backlight**
   Select “Backlight” and then press ←/→ to adjust the LCD Backlight.
2. **Adjusting Contrast**
   Select “Contrast” and then press ←/→ to adjust the difference between light and dark areas.
3. **Adjusting Hue**
   Select “Hue” and then press ←/→ to adjust the balance between red and green.
4. **Adjusting Color**
   Select “Color” and then press ←/→ to adjust the richness of the color.
5. **Default**
   Select “Default” and then press ENTER to return all LCD MODE options to their factory settings.

Stop Play

Press STOP during playback.

NOTE:

Do not touch the disc if it is still spinning when you open the lid.

Resume Play

When play is stopped, the unit records the point where STOP was pressed (RESUME function). Press PLAY or ENTER. Play will resume from this point.

NOTES:

- When you press the STOP button, “Resume” appears on the LCD screen and the player enters the resume mode.
- Turn off the power in resume mode and turn on the power again. Playback starts automatically from the Resume Point.
- To exit from Resume function:

  Press STOP button twice continuously.
  Open Disc Lid when the power is on.
- For MP3/JPEG data no information may be displayed depending upon the condition of the disc.

Pause

1. Press PAUSE during playback.
2. To exit pause mode, press PLAY or PAUSE.

Search DVD-V

1. Press SCAN/SLOW ◂◂ or ▸▸ during playback. The player will now go into SEARCH mode.
2. Press SCAN/SLOW ◂◂ or ▸▸ repeatedly to select the required speed:

   Slow > > > > Quick

   Scan FWD 1▸▸ 2▸▸ 3▸▸ 4▸▸ → ▶

   Scan REV 1◂◂ 2◂◂ 3◂◂ 4◂◂ → ▶
3. When you press ← or → in the unit, the DVD player acts as the same as you press SCAN/SLOW ◂◂ or ▸▸ .
4. To exit SEARCH mode, press the buttons:
   Remote: PLAY
   Unit: PLAY or ENTER

NOTES:

- The DVD player does not play sound during the high speed reverse and forward playback of DVD video discs.
- Scanning speed varies according to different disc.

Slow Motion DVD-V

1. Press PAUSE (II) during playback. The player will now go into PAUSE mode.
2. Use the SCAN/SLOW ◄◄ or ►► to select the required speed:

3. To exit slow motion mode, press PLAY.

Screen Saver

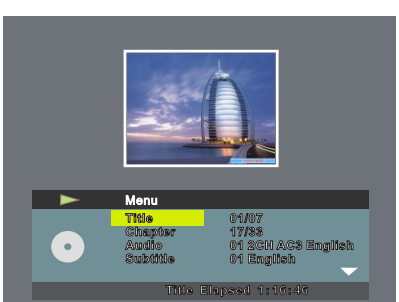
The screen saver appears when you leave the player in Stop mode for about 15 minutes. If the Screen Saver is displayed for 15 minutes, the Player automatically turns itself off.

On-Screen Display

You can display the general playback status on the screen. Some items can be changed using the menu. To use the on-screen display:

1. Press DISPLAY during playback or Pause.
2. Press ▲/▼ to select an item.
   The selected item is highlighted.
3. Press ENTER to access sub-menu.Press ▲/▼ and ENTER to execute the setting. You can also use the number buttons if appropriate (e.g. Inputting the title number).

Example: On-Screen Display during playing of DVD disc



On-Screen Display items:

1. Title
2. Chapter
3. Audio
4. Subtitle
5. Angle
6. T. Time (Title Time)
7. C. Time (Chapter Time)
8. Repeat
9. Time Disp.

NOTES:

- In Play, Pause, Search or Slow Motion mode, the corresponding icon appears in the top left corner of the Display menu.
- Some discs may not provide all of the features described on the next page.
- The items of On-Screen Display can be changed during playback.
- Press DISPLAY or RETURN to exit the display menu.
- Use the number buttons of remote when change the items of Title, Chapter, T.Time, C.Time, and Angle.
- For the default of Time Disp item is Title Elapsed, it is to change the item only in Display menu.

Top Menu DVD-V

DVDs may offer menus that allow you to access special features. To use the disc menu, press TOP MENU. Input the corresponding number or use the ←/↑/↓/→ buttons to highlight your selection.
Then press ENTER.

DVD Menu DVD-V

1. Press MENU. If the current title has a menu, the menu appears on the screen. Otherwise, the disc menu may appear.
2. The menu offers features such as camera angles, spoken language and subtitle options, and chapters for the title.
   Press ←/↑/↓/→ and ENTER, or press the number button(s) to select desired item.

Unless stated otherwise, all operations described use the remote . Some features may also be available on the Display menu.

Moving to another TITLE DVD-V

When a disc has more than one title, you can move to another title.
1. Press DISPLAY during playback.
2. Press ↑/↓ to select Title item and press ENTER.
3. Press number buttons to enter title number.

NOTE:
Use remote to change Title.

Moving to another CHAPTER DVD-V

When a title on a disc has more than one chapter, you can move to another chapter as follows:

- Press PREV ⏮ / NEXT ⏭ briefly during playback to return to the beginning of the current chapter or to select the next chapter.
- Press PREV ⏮ twice briefly to step back to the previous chapter.
- To go directly to any chapter during DVD playback, press DISPLAY and press ↑/↓ to select the chapter item. Press ENTER and use number buttons to enter the chapter number.

NOTES:
- To go to the previous or next chapter during DVD playback, press any number button to display “Direct Search Dialogue” on the LCD screen, and enter a 2-digit chapter number using the number buttons. To move to any title, move the Direct Search Dialogue to left by ← button. Operate as instructed above.
- Use remote to change the Chapter.

Time Search DVD-V

To start playing at any chosen time on the disc:

1. Press DISPLAY during playback.
2. Press ↑/↓ to select T.Time item or C.Time item and press ENTER. “0:00:00” appears.
3. Use the number buttons to enter the required start time in hours, minutes, and seconds from left to right.
4. Playback starts from the selected time.

NOTE:

Use remote to do Time Search.
The Time Search functions may not be available on some DVD discs.

Changing the Audio Language DVD-V

Press AUDIO repeatedly during playback to hear a different audio language or audio track.
This operation works only with discs on which multiple audio soundtrack languages are recorded.
The Audio Language functions may not be available on some DVD discs.

Subtitles DVD-V

It is possible to change the subtitle language to a different language from the one selected at the initial settings. (See page 41 for further info.)
This operation works only with discs on which multiple subtitle languages are recorded.

1. Press DISPLAY during playback.
2. Press ↑/↓ to select the Subtitle item and press ENTER.
3. Press ↑/↓ repeatedly until the desired Subtitle is selected. Each time this button is pressed, the LCD screen display changes.

NOTE:

The Subtitles functions may not be available on some DVD discs.

Camera Angle DVD-V

If the disc contains scenes recorded at different camera angles, you can change to a different camera angle during playback.

1. Press ANGLE during playback.
2. Press ANGLE repeatedly until the desired Angle is selected or press DISPLAY to select angle.

NOTES:

- You cannot change the angle during Slow F/R and Scan F/R playback.
- The angle mark icon appears only when “Angle Mark” in the “SETUP” menu is set to “On”.
- Use remote to change Angle.

TIP: The angle indicator will appear on the screen during scenes recorded at different angles as an indication that angle switching is possible.

Repeat DVD-V

Each time this button is pressed, the LCD screen changes as shown below and the disc will repeat a chapter or title (DVD).

DVD Video Discs - Repeat Chapter/Title/All/Off

- Chapter : repeat the current chapter.
- Title : repeat the current title.
- All : repeat the disc.
- Off : do not play repeatedly.

NOTE:

Repeat play may not work correctly with some DVDs.

Repeat A-B DVD-V

To repeat a sequence.

1. Press A-B during playback at your chosen starting point. "↻ A " appears briefly on the screen.
2. Press A-B again at your chosen end point. "↻ A B" appears briefly on the screen and the repeat sequence begins.
3. Press A-B again to cancel.

NOTES:

- A-B repeat can only be used within a single title.
- A-B repeat can be used in the following modes: Play, Pause, F/R Slow, FF1, FR1

Time Display DVD-V

You can change the time display during playback

1. Press DISPLAY during playback.
2. Select "Time Disp" using ↑ / ↓ and press ENTER.
3. Select a type of time display from among the following using ↑ / ↓ and press ENTER: Title Elapsed, Title Remain, Chapter Elapsed, Chapter Remain.

NOTE:

For the default of Time Disp item is Title Elapsed, it is to change the item only in Display menu.

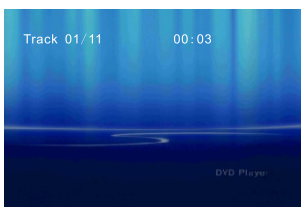
Playing an Audio CD or MP3 Disc

This player can play MP3 formatted recordings on CD-ROM, CD-R, CD-RW, DVD±R or DVD±RW discs.

Audio CD CD

When you insert an audio CD, Track number and Time appear on the screen.

To go to the beginning of the current track or the next track, press PREV ⏮ /NEXT ⏭ during playback. To go to the previous track, press PREV ⏮ twice.

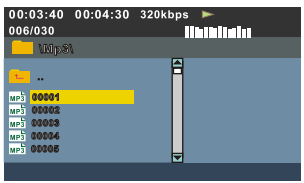


NOTE:

If you press DISPLAY during CD playback, the following will appear on the LCD screen in order: Track Elapsed, Track Remain, Disc Elapsed, Disc Remain, Display Off.

MP3 MP3

1. Press ▲/▼ to select a folder, and press ENTER to see the folder contents.
2. Press ▲/▼ to select a track then press PLAY or ENTER. Playback starts.



※ The name of the current folder appears here. It is displayed in the form of "\..\"showing the folder's path.

TIPS:

- To return to the Folder list, press ▲/▼ to select .. and press ENTER.
- To go to the previous or next page of the list, press PREV ⏮ /NEXT ⏭ in stop mode.

Audio CD and MP3 Disc Features

Pause CD MP3

Press PAUSE during playback.
To exit pause mode, press PLAY or PAUSE.

Stop CD MP3

When you press STOP during CD playback, "Resume" appears on the LCD screen. Press PLAY to resume playback from the point where STOP was pressed.
When you press STOP during MP3 playback, " ► " changes to " ■ " on the LCD screen. Press PLAY or ENTER. Play will start from the beginning of the current highlighted file.

Moving to another Track MP3

Press PREV / NEXT (⏮ or ⏭) briefly during playback to go to the previous or next file.

NOTE:

- To go to the previous or next track during CD playback, press any number button to display "Direct Search Dialogue" on the LCD screen, and enter a 2-digit file number using the number buttons.

Search CD MP3

1. Press SCAN/SLOW (◂◂ or ▸▸) during playback. The player will now go into SEARCH mode.
2. Press SCAN/SLOW (◂◂ or ▸▸) repeatedly to Search speed and direction are indicated on the menu screen.
3. To exit SEARCH mode, press PLAY.

Repeat CD MP3

Press REPEAT repeatedly during playback to select a repeat mode.

- CD
  Track: repeat the current track
  All: repeat all the tracks on a disc
  Off: return to normal playback (No display)
- MP3
  Repeat One: repeat the current file
  Repeat Folder: repeat all the files in the current folder
  Off: return to normal playback (No display)

Repeat A-B CD MP3

1. To repeat a sequence during disc playback, press A-B at your chosen starting point. The Repeat icon and "↻A" appear on the menu screen.
2. Press A-B again at your chosen end point. The Repeat icon and "↻AB" appear on the menu screen, and the sequence begins to play repeatedly.
3. To exit the sequence and return to normal play, press A-B again. The Repeat icon disappears from the menu screen.

MP3 disc compatibility with this player is limited as follows:

- Sampling frequency: within 11 - 48 kHz (MP3)
- Bit rate: within 32 - 320kbps (MP3)
- The player cannot read an MP3 file that has a file extension other than ".mp3".
- CD-R physical format should be ISO 9660.
- If you record MP3 files using software that cannot create a file system (eg. Direct-CD), it is impossible to playback MP3 files. We recommend that you use Easy-CD Creator, which creates an ISO 9660 file system.
- File names should have a maximum of 14 letters and must incorporate an .mp3 extension.
- They should not contain special letters such as / ? * : " < > l etc.
- The total number of files on the disc able to be played is about 648.
- The total number of folders on the disc able to be played is about 299.

NOTES:

- When playing back an MP3 in VBR mode, the displayed Bit Rate will be incorrect. The Time search function and time counter may not work correctly during the playback of an MP3 in VBR mode.
- The number of files and folders on the disc able to be played is determined by the recording conditions, but the total number cannot exceed 648.
- If layer 1 and 2 of MPEG 1 are not compatible with the player, noise may be heard during playback of files in these formats.

Playing an Audio CD or MP3 Disc (continued)

- This DVD player requires discs and recordings to meet certain technical standards in order to achieve optimal playback quality. Pre-recorded DVDs are automatically set to these standards. There are many different types of recordable disc formats (including CD-R containing MP3 files) and these require certain pre-existing conditions (see above) to ensure compatible playback.

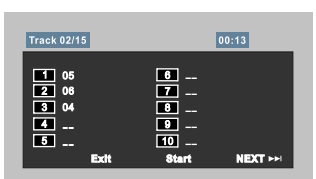
  Customers should note that permission is required in order to download MP3 files and music from the Internet. Our company has no right to grant such permission. Permission should always be sought from the copyright owner.

Programmed Playback

The program function enables you to store the playback order of your favorite tracks from any disc in the player memory.

Program playback CD

1. Insert a disc.
2. Press PROGRAM.
   The Program list appears on the LCD screen.
3. Select the program step number using ←/ ↑ / ↓ /→ .
4. Enter the track numbers using the number buttons.



Program list

5. Repeat steps 3 and 4 to program other tracks.

Programmed Playback (continued)

6. Select “Start” using ▲/▼.
   Playback starts in the order in which you programmed the tracks.
   Playback stops after all of the tracks on the Program list have played once.
   To clear all the tracks on the Program list, select “Clear all” using ▲/▼.
   To exit Program Playback, select “Exit” using ▲/▼.

NOTES:

- Up to 20 tracks can be programmed.
- When program list appears, operation can not work for CD.

Random Play

Random play CD MP3

You can play back tracks in random order.

1. Press RANDOM during playback.
   The player starts random playback and the RANDOM indicator appears on the LCD screen.
2. To return to normal play, press RANDOM again.

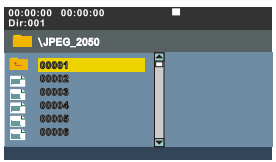
NOTES:

- RANDOM playback does not work with DVD movie discs.
- RANDOM playback may not be possible with certain discs.
- If you press PREV ⏮ /NEXT ⏭ during random playback, the DVD player goes to another track randomly and starts playback.
- The same track may be played more than once during random playback.

Viewing a JPEG Disc

Using this DVD Player you can view discs with JPEG files.

1. Insert a disc, the menu appears on the screen.



2. Press ▲/▼ to select a folder, and press ENTER. A list of files in the folder appears. If you are in a file list and want to return to the previous Folder list, use the ▲/▼ buttons on the remote to highlight and press ENTER.
3. If you want to view a particular file, press ▲/▼ to highlight a file and press ENTER or PLAY. Viewing of the file starts.
4. Press PREV ⏮ /NEXT ⏭ once while viewing a picture to go to the previous or next file.
5. While viewing a file, you can press STOP to return to the previous file list.

Thumbnail Mode JPEG

While viewing a file, press MENU. A thumbnail display appears as follows:

1. To display a full-screen image, select a picture using ▲/▼/◄/► and press ENTER or PLAY.
2. To start a slide show, select “Slide Show” using ▲/▼/◄/► and press ENTER.
   To cancel the slide show, press STOP or MENU.
3. Select “Help” on the screen “Remote Key Function” appears.
4. To go to the previous or next page of the thumbnail display, select “◄Prev” or “Next►”.
5. To exit the thumbnail display, press MENU.

Pause slide show JPEG

1. Press PAUSE during a slide show.
2. To return to the slide show, press PLAY or PAUSE.

To rotate picture JPEG

Press ↓ for horizontal flip and ↑ for vertical flip.
Press ← and → to rotate pictures 90° counterclockwise and clockwise.

JPEG disc compatibility with this player is limited as follows:

- Depending upon the size and number of JPEG files, it could take a long time for the DVD player to read the disc's contents. If you don't see an on-screen display after several minutes, some of the files may be too large reduce the resolution of the JPEG files to less than 6M pixels as 3078 x 2048 pixels. (For progressive JPEG file, it is 2000 x 1200.)
- The total number of files on the disc able to be played is about 648.
- The total number of folders on the disc able to be played is about 299.
- Some discs may be incompatible due to a different recording format or the condition of disc.
- Ensure that all the selected files have the ".jpg" extensions when copying into the CD layout.
- If the files have ".jpe" or ".jpeg" extensions, please rename them as ".jpg" files.
- File names without ".jpg" extension cannot be read by this DVD player, even though the files are shown as JPEG image files in Windows Explorer.
- Files in KODAK ERI JPEG format are not supported.
- The number of files and folders on the disc able to be played is determined by the recording conditions, but the total number cannot exceed 648.
- CD-R physical format should be ISO 9660.

Initial Settings

By using the Setup menu, you can make various adjustments to items such as picture and sound. You can also set a language for the subtitles and the Setup menu, among other things. For details on each Setup menu item, see pages 40 to 43.

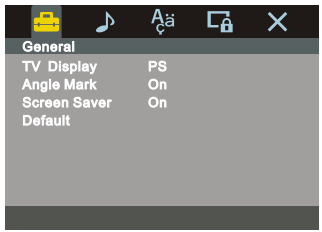
To display and exit the Menu:

Press SETUP to display the menu. A second press of SETUP or RETURN will take you back to initial screen.

Basic Operation

1. Press SETUP. The Setup menu appears.
2. Use ← / → to select the desired option then press ↓ to move to the second level. The screen shows the current setting for the selected item, as well as alternate setting(s).
3. Use ↑ / ↓ to select the second desired option then press → to move to the third level or press ← to move to the first level.
4. Use ↑ / ↓ to select the desired setting then press ENTER to confirm your selection. Some items require additional steps.
5. Press SETUP, RETURN or select the exit setup option to exit the Setup menu.

GENERAL SETUP



TV Display DVD-V

Select a picture size according to the aspect ratio of your TV. The displayable picture depends on each DVD Video. Therefore, the playback picture of some DVD videos may not conform to the picture size you select.

4:3 PS (Pan scan):
Select when a standard 4:3 TV is connected. Automatically display the wide picture on the entire screen and cut off the portions that do not fit.

4:3 LB (Letter Box):
Select when a standard 4:3 TV is connected. Display a wide picture with bands on the upper and lower portions of the screen.

16:9 (Wide):
Select when a 16:9 wide TV is connected.

Angle Mark DVD-V

If the scene was shot multiple angles, then you can easily change the camera angle of the scene you are watching. The settings are ON or OFF.

Screen Saver

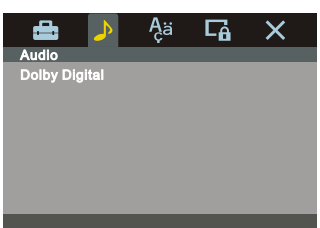
Your player is equipped with a screen saver that appears when the player has been idle for 15 minutes. The settings are ON or OFF.

Default

Each function returns to its original factory setting.

Select “Reset” and press ENTER.
The reset operation is finished and the player exits from the “SETUP” menu.

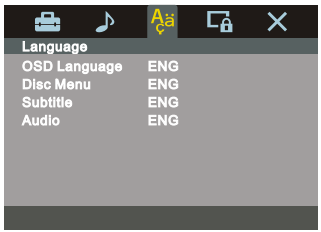
AUDIO SETUP



DRC

You can select the dynamic range (difference between soft and loud sounds) setting when playing a DVD that conforms to DRC.

LANGUAGE SETUP



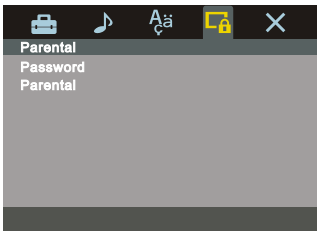
OSD Language

Select a language for the Setup menu and on-screen display.

Disc Menu / Subtitle / Audio DVD-V

Select the language you prefer for the audio track (disc audio), subtitles, and the disc menu.

PARENTAL CONTROL



Password (Security Code)

You can enter or change a password.

1. Select “Password” and press ENTER.
2. To change the password, enter the current 6-digit password in the “Old Password” box, then enter the new password in the “New Password” box. Enter the new password again in the “Verify Password” box to confirm. Press ENTER.

NOTES:

If using a password for the first time, create a new password.

If you forget your security code

If you forget your security code, you can clear it using the following steps:

1. Perform step 1 in Password as described left.
2. Input “136900” in the left box and the security code will be cleared.
3. Perform step 2 to enter a new code as described “Old Password”.
4. Original password is “136900”.

Parental DVD-V

Some movies contain scenes that may not be suitable for children. Many of these discs contain parental control information that applies to the complete disc or to certain scenes on the disc. Movies and scenes are rated from 1 to 8. Some discs offer more suitable scenes as an alternative.

The parental control feature allows you to block access to scenes below the rating you input, thereby preventing your children from being able to view material you believe is unsuitable.

1. Select “Parental” and press →.
2. To access Parental and Password, you must input the 6-digit security code you created. If you have not yet entered a security code, you will be prompted to do so.

Input a 6-digit code and press ENTER. Enter it again and press ENTER to verify. If you make a mistake before pressing ENTER, press CLEAR.

3. Select a level from 1 to 8 using ↑/↓ .

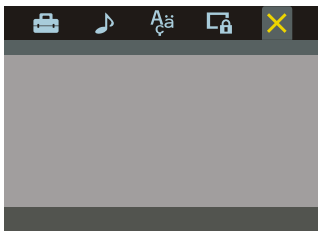
   Parental 1-8: Parental one (1) has the most restrictions and Parental eight (8) has the least.

4. Press ENTER to confirm your Parental selection, then press SETUP to exit the menu.

NOTE:

If you set a rating for the player, all disc scenes with the same rating or higher are played. Lower rated scenes are not played unless alternate scenes are available on the disc. The alternatives must have the same or a higher rating. If no suitable alternative is found, playback stops. You must enter the 6-digit password or change the rating level in order to play the disc.

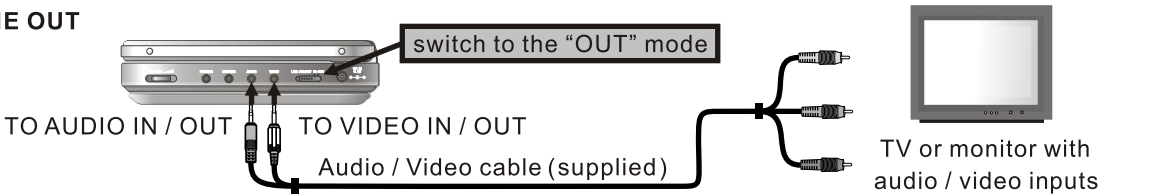
EXIT SETUP



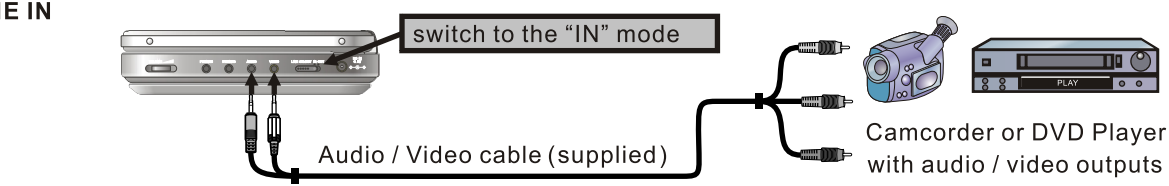
Select the exit setup option to exit the Setup menu.

Setting up the Player

LINE OUT



LINE IN



NOTES:

- Refer to the owner's manual of your TV as well.
- Before you connect the player to your TV be sure to turn off the power and unplug both units from the wall outlet.
- Connect the player to your TV directly. If you connect the player to a VCR, the playback picture will be distorted because DVD video discs are copy-protected.
- Be sure to slide the **LINE SELECT IN/OUT** switch to OUT, or the player may not work.

Switch between LINE SELECT IN and LINE SELECT OUT.

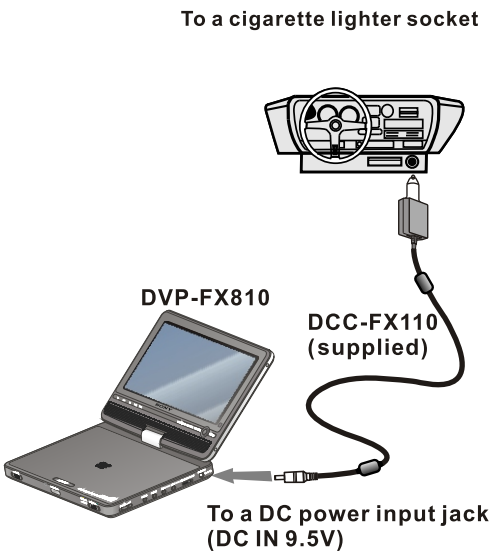
LINE SELECT IN: Receive an input signal from an external source.
“ Line In ” appears on the LCD screen until a signal is received.

LINE SELECT OUT: Send a signal from the unit to the TV.
At this time, the player is in normal playback mode.

To use the player with car battery adaptor

Connect the player to the cigarette lighter socket using the supplied car battery adaptor (DCC-FX110). This adaptor can only be used 12V electrical currents. It will not work with 24V electrical currents.

To a cigarette lighter socket



NOTES:

- Route the cords so that they will not interfere with driver.
- Turn off the player by POWER switch. If you turn off the player by turning off the ignition key of the car when the rechargeable battery is not attached, the settings may be cleared.
- Do not install the monitor display where viewable by the driver.
- Some states restrict the use of monitors and televisions in vehicles. Where use is permitted, the units should not be installed or operated so as to be viewable by the driver.
- Keep this unit away from Sony DVP-FX810 if the picture is disturbed.
- If the car adaptor should interfere with the movement of the gear lever, etc., use a commercially available car socket extension cord.

Others

- Use this car battery adaptor only for cars which use a 12 volt battery.
  Do not use this with a car that has a 24 volt battery.
- There are cars which are negatively grounded and there are others which are positively grounded.
  This car battery adaptor is for negatively grounded cars only.
- Use the unit with the car engine running.
  If you use the unit with the car engine stopped, the car battery may become unusable.
- This unit is not disconnected from the power source as long as it is connected to the cigarette lighter socket of a car.
- Unplug the car battery cord from the cigarette lighter socket when not in use. To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- Do not operate the unit if it has been dropped or damaged.
- Be sure that nothing metallic comes into contact with the metal parts of the unit. If it does, a short may occur and the unit may be damaged.
- Always keep the metal contacts clean.
- If the car's cigarette lighter socket is dirty with ash, etc., the plug part will become hot due to a poor connection. Be sure to clean it before using.
- Do not disassemble or convert the unit.
- Do not apply mechanical shock or drop the unit.
- Heat may build up while charging or during extended use. This is not a malfunction.
- While listening to the car radio, keep the plug of the Car Battery Cord out of the cigarette lighter socket or keep the radio away from the unit to avoid static.
- Avoid placing it where it would be subject to vibration.
- Avoid leaving the unit where it would be subject to high temperatures, such as direct sunlight e.g. on the dashboard or hot air from the heater.

Symptom	Cause	Correction
No power.	• The power cord is disconnected.	• Plug the power cord into the wall outlet securely.
	• The battery is discharged.	• Recharge the battery.
No picture on the LCD or TV (including video from another unit).	• The video cable is not connected securely.	• Connect the video cable into the jacks securely.
	• LCD mode is set to OFF.	• Select an LCD mode other than OFF.
	• Check that Brightness control is set to minimum.	• Adjust the brightness.
	• The TV is not set to receive DVD signal output.	• Select the appropriate video input mode on the TV so the picture from the player appears on the LCD screen.
	• LINE SELECT IN/OUT switch to IN position.	• Slide the switch to OUT position.
No sound.	• The equipment connected with the audio cable is not set to receive DVD signal output.	• Select the correct input mode of the audio receiver so you can listen to the sound from the DVD player.
	• The audio cables are not connected securely.	• Connect the audio cable into the jacks securely.
The DVD player does not start playback.	• An unplayable disc is inserted.	• Insert a playable disc. (Check the disc type, color system, and Regional code.)
	• The Rating level is set.	• Cancel the Rating function or change the rating level.
No response when buttons are pressed.	• Some discs prohibit certain operations.	• " ⃠ " may appear on the screen during operation.
The remote control does not work properly.	• The remote control is too far from the DVD player.	• Point the remote at the remote sensor and operate it within close proximity of the player.
	• Direct sunlight or light from a fluorescent light source is hitting the remote sensor.	• Move the player away from direct sunlight or the fluorescent light source.
	• The batteries are weak.	• Replace all batteries in the remote with new ones.
	• The signals are not reaching the player.	• Remove any obstacles between the remote and the player.

Specifications

CD/DVD Player

Power Requirements:
DC 9.5V (AC adaptor/ Car Battery Adaptor terminal),
DC 7.4V (Battery)

Power consumption: 23W with Battery pack
(DVD VIDEO Playback with the LCD screen turned on.)

Weight: 2.244 lbs (1.02kg) (without battery pack)

External dimensions (W x H x D):
8.90 x 6.30 x 1.28 inches (226 x 160 x 32.4 mm)

Signal system: NTSC

Frequency range (audio):
DVD linear sound: 48kHz sampling 20 Hz to 20 kHz
96kHz sampling 20 Hz to 44 kHz

Signal-to-noise ratio (audio): More than 95 dB

Dynamic range (audio): More than 90 dB

Harmonic distortion (audio): 0.008 %

Operating conditions:
Temperature: 41°F to 95°F, Operation status: Horizontal

Connectors

Video IN/OUT (VIDEO Out):
1.0 V (p-p), 75 Ω, negative sync., ø3.5mm mini jack x 1

Audio IN/OUT (AUDIO Out, analog audio):
2.0 Vrms(1 KHz, 0 dB), ø3.5mm stereo mini jack x 1

Earphone terminal: ø3.5mm stereo mini jack x 2

Liquid Crystal Display

Panel size: 8 inches wide (diagonal)
Projection system: R.G.B
Driving system: TFT active matrix
Resolution: 480 x 220
(effective pixel rate: more than 99.99%)

Supplied Accessories

- RCA Audio/Video cable 1
- AC Adaptor (AC-FX110) 1
- AC Power Cord 1
- Car Battery Adaptor (DCC-FX110) 1
- Battery Pack (NP-FX110) 1
- Remote (RMT-D182A) 1
- Batteries for Remote (Size : AA(R6)) 2

- **Design and specifications are subject to change without notice.**

[Memo]

[Memo]

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